Available online at www.sciencedirect.com
SCIENCE DIRECT®
Optics Communications 221 (2003) 435–439
ELSEVIER
OPTICS COMMUNICATIONS
www.elsevier.com/locate/optcom

Author index to volume 221

Akhmediev, N., see Maruno, K.-i. 221 (2003) 199
Alonso-Pinzón, R.F., see Fernández-Guasti, M. 221 (2003) 37
Amiet, M.E., see Pack, M.V. 221 (2003) 211
Ankiewicz, A., see Maruno, K.-i. 221 (2003) 199
Antón, M.A., see Carreño, F. 221 (2003) 365
Apolinar Muñoz-Rodríguez, J., A. Asundi and R. Rodríguez-Vera, Shape detection of moving objects based on a neural network of a light line 221 (2003) 73
Arizaga, R., R. Henao and R. Torroba, Fully digital encryption technique 221 (2003) 43
Armstrong, D.J., see Pack, M.V. 221 (2003) 211
Asundi, A., see Apolinar Muñoz-Rodríguez, J. 221 (2003) 73
Atai, J. and B.A. Malomed, Stability and interactions of solitons in asymmetric dual-core optical waveguides 221 (2003) 55
Atkins, S., see Berger, N.K. 221 (2003) 331
Atondo-Rubio, G., A. Mendoza-Suárez, R. Espinosa-Luna and E. Tututi-Hernández, Application of a new numerical method to calculate TE modes in hollow-conducting waveguides 221 (2003) 301
Atuchin, V.V., see Kalabin, I.E. 221 (2003) 359

Bachelot, R., see Fikri, R. 221 (2003) 13
Bae, K.-H., J.-S. Koo and E.-S. Kim, A new stereo object tracking system using disparity motion vector 221 (2003) 23
Band, Y.B., see Matuszewski, M. 221 (2003) 337
Barchiesi, D., see Fikri, R. 221 (2003) 13
Beermann, J., S.I. Bozhevolnyi, K. Pedersen and J. Fage-Pedersen, High-resolution second-harmonic microscopy of poled silica waveguides 221 (2003) 295
Benech, P., see Morand, A. 221 (2003) 353
Benech, P., see Rooms, F. 221 (2003) 317
Benkelfat, B.-E., El.-H. Horache, Q. Zou and B. Vinouze, An electro-optic modulation technique for direct and accurate measurement of birefringence 221 (2003) 271
Benyattou, T., see Morand, A. 221 (2003) 353
Berger, N.K., B. Levit, S. Atkins and B. Fischer, Repetition-rate multiplication of optical pulses using uniform fiber Bragg gratings 221 (2003) 331
Biehlig, W., see Werner, E.A. 221 (2003) 9
Blaize, S., see Rooms, F. 221 (2003) 317
Bolognini, N., see Salazar, A. 221 (2003) 249
Bozhevolnyi, S.I., see Beermann, J. 221 (2003) 295
Breglio, G., see Irace, A. 221 (2003) 313

doi:10.1016/S0030-4018(03)01591-8

Cai, L.Z., Q. Liu, X.L. Yang and Y.R. Wang, Sensitivity adjustable contouring by digital holography and a virtual reference wavefront 221 (2003) 49
Calderón, O.G., see Carreño, F. 221 (2003) 365
Cao, W.-h. and P.K.A. Wai, Higher-order soliton compression with pedestal suppression in nonlinear optical loop mirrors constructed from dispersion decreasing fibers 221 (2003) 181
Carreño, F., M.A. Antón and O.G. Calderón, Quantum interference effects in resonance fluorescence and absorption spectra of a V-type three-level atom damped by a broadband squeezed vacuum 221 (2003) 365
Choi, S. and K. Oh, A new LP_{02} mode dispersion compensation scheme based on mode converter using hollow optical fiber 221 (2003) 307
Cui, L., see Wang, X. 221 (2003) 289
Cutolo, A., see Irace, A. 221 (2003) 313

Désières, Y., see Morand, A. 221 (2003) 353
Diodati, F.P., see Larotonda, M.A. 221 (2003) 395

Espinosa-Luna, R., see Atondo-Rubio, G. 221 (2003) 301

Fage-Pedersen, J., see Beermann, J. 221 (2003) 295
Fernández-Guasti, M., R.F. Alonso-Pinzón and E. Haro-Poniatowski, Image reconstruction via phase conjugation in amorphous chalcogenide thin films 221 (2003) 37
Fikri, R., D. Barchiesi, F. H'Dhili, R. Bachelot, A. Vial and P. Royer, Modeling recent experiments of apertureless near-field optical microscopy using 2D finite element method 221 (2003) 13
Fischer, B., see Berger, N.K. 221 (2003) 331

Gascón, F., see Salazar, F. 221 (2003) 279
Grigorieva, T.I., see Kalabin, I.E. 221 (2003) 359
Gu, W., see Yu, S. 221 (2003) 241
Guo, H., see Yu, S. 221 (2003) 241
Gupta, A.R., Optimization of access waveguide width of multimode interference (MMI) couplers 221 (2003) 99
Gupta, P.S., see Kumar Giri, D. 221 (2003) 135

Haro-Poniatowski, E., see Fernández-Guasti, M. 221 (2003) 37
Harsoyono, H., R.E. Siregar, M.O. Tjia and A.S.B. Sombra, Nonlinear optical waveguide coupling with planar solitonic field profile 221 (2003) 63
Harvey, M.D. and A.G. White, Frequency locking by analysis of orthogonal modes 221 (2003) 163
Hatayama, H., see Kakui, M. 221 (2003) 87
H'Dhili, F., see Fikri, R. 221 (2003) 13
Henao, R., see Arizaga, R. 221 (2003) 43
Hirose, C., see Kakui, M. 221 (2003) 87
Hnilo, A.A., see Larotonda, M.A. 221 (2003) 395
Ho, K.-P., The optimal compensator for nonlinear phase noise 221 (2003) 419
Hong, Y.S., see Lee, J.H. 221 (2003) 323
Horache, El.-H., see Benkelfat, B.-E. 221 (2003) 271
Hu, X.-m., L.-b. Kong and L. Wang, Dynamical irreversibility induced by one coherent field and one incoherent field in three-level systems 221 (2003) 105
Hydaradjan, W. and F. Voolless, UV-induced kinetics of second harmonic generation in CdI_2–Cu layered nanocrystals 221 (2003) 115

Irace, A., G. Breglio and A. Cutolo, Silicon-based optoelectronic filter based on an electronically active waveguide embedded Bragg grating 221 (2003) 313

Jacquin, O., see Morand, A. 221 (2003) 353
Jung, S.C., see Lee, J.H. 221 (2003) 323

Kakui, M., T. Shitomi, C. Hirose, H. Hatayama and M. Shigematsu, Wide-dynamic-range and channel-count-free thulium doped fiber amplifiers employing variable slope attenuation compensators designed for photonic networks 221 (2003) 87
Kalabin, I.E., T.I. Grigorieva, L.D. Pokrovsky, D.V. Sheglov, D.I. Shevtsov and V.V. Atuchin, Nanofaceting of $LiNbO_3$ X-cut surface by high temperature annealing and titanium diffusion 221 (2003) 359
Kim, E.-S., see Bae, K.-H. 221 (2003) 23
Kim, K., see Podoshvedov, S.A. 221 (2003) 121
Kim, Y.Y., see Lee, J.H. 221 (2003) 323
Kong, L.-b., see Hu, X.-m. 221 (2003) 105
Koo, J.-S., see Bae, K.-H. 221 (2003) 23
Kumar Giri, D. and P.S. Gupta, Short-time squeezing effects in spontaneous and stimulated six-wave mixing process 221 (2003) 135
Kwon, H., see Lee, J.H. 221 (2003) 323

Larotonda, M.A., A.A. Hnilo and F.P. Diodati, Multipulse Nd:YAG Kerr lens mode-locked laser 221 (2003) 395
Lee, J.H., see Lee, J.H. 221 (2003) 323
Lee, J.H., Y.Y. Kim, S.S. Yun, H. Kwon, Y.S. Hong, J.H. Lee and S.C. Jung, Design and characteristics of a micromachined variable optical attenuator with a silicon optical wedge 221 (2003) 323
Le Vassor d'Yerville, M., see Morand, A. 221 (2003) 353
Levit, B., see Berger, N.K. 221 (2003) 331
Li, Y., see Liu, G. 221 (2003) 387
Lin, F.Y. and J.M. Liu, Nonlinear dynamical characteristics of an optically injected semiconductor laser subject to optoelectronic feedback 221 (2003) 173
Lin, J.Q., H. Nakano, T. Nishikawa, T. Ozaki and K. Oguri, Guiding of high-intensity femtosecond laser pulses in evacuated and gas-filled capillaries 221 (2003) 411
Liu, D., see Wang, X. 221 (2003) 289
Liu, G., S. Zhang, J. Zhu and Y. Li, Theoretical and experimental study of intensity branch phenomena in self-mixing interference in a He–Ne laser 221 (2003) 387
Liu, J.M., see Lin, F.Y. 221 (2003) 173
Liu, Q., see Cai, L.Z. 221 (2003) 49

Malomed, B.A., see Atai, J. 221 (2003) 55
Maruno, K.-i., A. Ankiewicz and N. Akhmediev, Exact localized and periodic solutions of the discrete complex Ginzburg–Landau equation 221 (2003) 199
Matuszewski, M., W. Wasilewski, M. Trippenbach and Y.B. Band, Self-consistent treatment of the full vectorial nonlinear optical pulse propagation equation in an isotropic medium 221 (2003) 337
Mendoza-Suárez, A., see Atondo-Rubio, G. 221 (2003) 301
Morand, A., see Rooms, F. 221 (2003) 317

Morand, A., C. Robinson, Y. Désières, T. Benyattou, P. Benech, O. Jacquin and M. Le Vassor d'Yerville, 3D Numerical modeling of propagation losses of a single line-defect photonic crystal 221 (2003) 353

Nakano, H., see Lin, J.Q. 221 (2003) 411
Nishikawa, T., see Lin, J.Q. 221 (2003) 411
Noh, J., see Podoshvedov, S.A. 221 (2003) 121

Oguri, K., see Lin, J.Q. 221 (2003) 411
Oh, K., see Choi, S. 221 (2003) 307
Olivares, J.A., R.F. Rodríguez and J.A. Reyes, Ray tracing and reflectivity measurements in nematic hybrid cells 221 (2003) 223
Ozaki, T., see Lin, J.Q. 221 (2003) 411

Pack, M.V., D.J. Armstrong, A.V. Smith and M.E. Amiet, Second harmonic generation with focused beams in a pair of walkoff-compensating crystals 221 (2003) 211
Pedersen, K., see Beermann, J. 221 (2003) 295
Peng, Y., see Zhu, K. 221 (2003) 1
Peřina Jr., J., Characterization of a resonator using entangled two-photon states 221 (2003) 153
Podoshvedov, S.A., J. Noh and K. Kim, Quantum variances in field modes of parametric down converter 221 (2003) 121
Pokrovsky, L.D., see Kalabin, I.E. 221 (2003) 359

Ramsay, E. and D.T. Reid, Investigation of the two-photon optical beam induced current effect in silicon integrated circuits 221 (2003) 427
Reid, D.T., see Ramsay, E. 221 (2003) 427
Reyes, J.A., see Olivares, J.A. 221 (2003) 223
Robinson, C., see Morand, A. 221 (2003) 353
Rodríguez-Vera, R., see Apolinar Muñoz-Rodríguez, J. 221 (2003) 73
Rodríguez, R.F., see Olivares, J.A. 221 (2003) 223
Rooms, F., A. Morand, I. Schanen, P. Benech and S. Blaize, A complete physical approach to position the access waveguides of weakly confined multi-mode interference couplers 221 (2003) 317
Roy, P., Quantum statistical properties of Gazeau–Klauder coherent state of the anharmonic oscillator 221 (2003) 145
Royer, P., see Fikri, R. 221 (2003) 13
Ruske, J.-P., see Werner, E.A. 221 (2003) 9

Saastamoinen, T., J. Tervo and J. Turunen, Radiation from arbitrarily polarized spatially incoherent planar sources 221 (2003) 257
Salazar, A., M. Tebaldi and N. Bolognini, Experimental study of volume speckle in four-wave mixing arrangement 221 (2003) 249
Salazar, F. and F. Gascón, Maximum diameter of the read-out laser beam in double-exposure speckle photography 221 (2003) 279
Saldin, E.L., E.A. Schneidmiller and M.V. Yurkov, Femtosecond resolution experiments at third-generation light sources: a concept based on the statistical properties of synchrotron radiation 221 (2003) 403
Schanen, I., see Rooms, F. 221 (2003) 317

Schneidmiller, E.A., see Saldin, E.L. 221 (2003) 403
Sheglov, D.V., see Kalabin, I.E. 221 (2003) 359
Shevtsov, D.I., see Kalabin, I.E. 221 (2003) 359
Shigematsu, M., see Kakui, M. 221 (2003) 87
Shitomi, T., see Kakui, M. 221 (2003) 87
Siregar, R.E., see Harsoyono, H. 221 (2003) 63
Smith, A.V., see Pack, M.V. 221 (2003) 211
Sombra, A.S.B., see Harsoyono, H. 221 (2003) 63
Sun, X., see Zhu, K. 221 (2003) 1

Tang, H., see Zhu, K. 221 (2003) 1
Tebaldi, M., see Salazar, A. 221 (2003) 249
Tervo, J., see Saastamoinen, T. 221 (2003) 257
Tjia, M.O., see Harsoyono, H. 221 (2003) 63
Torroba, R., see Arizaga, R. 221 (2003) 43
Trippenbach, M., see Matuszewski, M. 221 (2003) 337
Tünnermann, A., see Werner, E.A. 221 (2003) 9
Turunen, J., see Saastamoinen, T. 221 (2003) 257
Tututi-Hernández, E., see Atondo-Rubio, G. 221 (2003) 301

Vial, A., see Fikri, R. 221 (2003) 13
Vinouze, B., see Benkelfat, B.-E. 221 (2003) 271
Voolless, F., see Hydaradjan, W. 221 (2003) 115

Wai, P.K.A., see Cao, W.-h. 221 (2003) 181
Wang, F., see Wang, X. 221 (2003) 289
Wang, L., see Hu, X.-m. 221 (2003) 105
Wang, X., F. Wang, L. Cui and D. Liu, Analysis of influence on the properties of heterogeneous volume hologram by the structures of bandgaps 221 (2003) 289
Wang, X., see Zhu, K. 221 (2003) 1
Wang, Y.R., see Cai, L.Z. 221 (2003) 49
Wasilewski, W., see Matuszewski, M. 221 (2003) 337
Werner, E.A., J.-P. Ruske, B. Zeitner, W. Biehlig and A. Tünnermann, Integrated-optical amplitude modulator for high power applications 221 (2003) 9
White, A.G., see Harvey, M.D. 221 (2003) 163

Yang, X.L., see Cai, L.Z. 221 (2003) 49
Yu, S., W. Gu and H. Guo, Optical resonator with hyperbolic-cosine-Gaussian modes 221 (2003) 241
Yun, S.S., see Lee, J.H. 221 (2003) 323
Yurkov, M.V., see Saldin, E.L. 221 (2003) 403

Zeitner, B., see Werner, E.A. 221 (2003) 9
Zhang, S., see Liu, G. 221 (2003) 387
Zhang, W.Q., Group-velocity matching in the mixing of three noncollinear phase-matched waves for bixial crystal 221 (2003) 191
Zhu, K., X. Sun, X. Wang, H. Tang and Y. Peng, Paraxial propagation of Gaussian beam through curved transverse parabolic graded-index waveguides 221 (2003) 1
Zhu, J., see Liu, G. 221 (2003) 387
Zou, Q., see Benkelfat, B.-E. 221 (2003) 271

Available online at www.sciencedirect.com
SCIENCE DIRECT®
Optics Communications 221 (2003) 441–444
ELSEVIER
OPTICS COMMUNICATIONS
www.elsevier.com/locate/optcom

Subject index to volume 221

Propagation and scattering

K. Zhu, X. Sun, X. Wang, H. Tang and Y. Peng, Paraxial propagation of Gaussian beam through curved transverse parabolic graded-index waveguides 1

E.A. Werner, J.-P. Ruske, B. Zeitner, W. Biehlig and A. Tünnermann, Integrated-optical amplitude modulator for high power applications 9

R. Fikri, D. Barchiesi, F. H'Dhili, R. Bachelot, A. Vial and P. Royer, Modeling recent experiments of apertureless near-field optical microscopy using 2D finite element method 13

J.A. Olivares, R.F. Rodríguez and J.A. Reyes, Ray tracing and reflectivity measurements in nematic hybrid cells 223

S. Yu, W. Gu and H. Guo, Optical resonator with hyperbolic-cosine-Gaussian modes 241

A. Salazar, M. Tebaldi and N. Bolognini, Experimental study of volume speckle in four-wave mixing arrangement 249

T. Saastamoinen, J. Tervo and J. Turunen, Radiation from arbitrarily polarized spatially incoherent planar sources 257

B.-E. Benkelfat, El.-H. Horache, Q. Zou and B. Vinouze, An electro-optic modulation technique for direct and accurate measurement of birefringence 271

Optical information, image formation and analysis, optical computing

K.-H. Bae, J.-S. Koo and E.-S. Kim, A new stereo object tracking system using disparity motion vector 23

M. Fernández-Guasti, R.F. Alonso-Pinzón and E. Haro-Poniatowski, Image reconstruction via phase conjugation in amorphous chalcogenide thin films 37

R. Arizaga, R. Henao and R. Torroba, Fully digital encryption technique 43

L.Z. Cai, Q. Liu, X.L. Yang and Y.R. Wang, Sensitivity adjustable contouring by digital holography and a virtual reference wavefront 49

F. Salazar and F. Gascón, Maximum diameter of the read-out laser beam in double-exposure speckle photography 279

X. Wang, F. Wang, L. Cui and D. Liu, Analysis of influence on the properties of heterogeneous volume hologram by the structures of bandgaps 289

doi:10.1016/S0030-4018(03)01592-X

Optical communications

J. Atai and B.A. Malomed, Stability and interactions of solitons in asymmetric dual-core optical waveguides 55

H. Harsoyono, R.E. Siregar, M.O. Tjia and A.S.B. Sombra, Nonlinear optical waveguide coupling with planar solitonic field profile 63

J. Apolinar Muñoz-Rodríguez, A. Asundi and R. Rodríguez-Vera, Shape detection of moving objects based on a neural network of a light line 73

M. Kakui, T. Shitomi, C. Hirose, H. Hatayama and M. Shigematsu, Wide-dynamic-range and channel-count-free thulium doped fiber amplifiers employing variable slope attenuation compensators designed for photonic networks 87

A.R. Gupta, Optimization of access waveguide width of multimode interference (MMI) couplers 99

J. Beermann, S.I. Bozhevolnyi, K. Pedersen and J. Fage-Pedersen, High-resolution second-harmonic microscopy of poled silica waveguides 295

G. Atondo-Rubio, A. Mendoza-Suárez, R. Espinosa-Luna and E. Tututi-Hernández, Application of a new numerical method to calculate TE modes in hollow-conducting waveguides 301

S. Choi and K. Oh, A new LP_{02} mode dispersion compensation scheme based on mode converter using hollow optical fiber 307

A. Irace, G. Breglio and A. Cutolo, Silicon-based optoelectronic filter based on an electronically active waveguide embedded Bragg grating 313

F. Rooms, A. Morand, I. Schanen, P. Benech and S. Blaize, A complete physical approach to position the access waveguides of weakly confined multi-mode interference couplers 317

J.H. Lee, Y.Y. Kim, S.S. Yun, H. Kwon, Y.S. Hong, J.H. Lee and S.C. Jung, Design and characteristics of a micromachined variable optical attenuator with a silicon optical wedge 323

N.K. Berger, B. Levit, S. Atkins and B. Fischer, Repetition-rate multiplication of optical pulses using uniform fiber Bragg gratings 331

Atomic and molecular physics

X.-m. Hu, L.-b. Kong and L. Wang, Dynamical irreversibility induced by one coherent field and one incoherent field in three-level systems 105

M. Matuszewski, W. Wasilewski, M. Trippenbach and Y.B. Band, Self-consistent treatment of the full vectorial nonlinear optical pulse propagation equation in an isotropic medium 337

Condensed matter

W. Hydaradjan and F. Voolless, UV-induced kinetics of second harmonic generation in CdI_2–Cu layered nanocrystals 115

A. Morand, C. Robinson, Y. Désières, T. Benyattou, P. Benech, O. Jacquin and M. Le Vassor d'Yerville, 3D Numerical modeling of propagation losses of a single line-defect photonic crystal 353

I.E. Kalabin, T.I. Grigorieva, L.D. Pokrovsky, D.V. Sheglov, D.I. Shevtsov and V.V. Atuchin, Nanofaceting of $LiNbO_3$ X-cut surface by high temperature annealing and titanium diffusion 359

Quantum optics

S.A. Podoshvedov, J. Noh and K. Kim, Quantum variances in field modes of parametric down converter 121

D. Kumar Giri and P.S. Gupta, Short-time squeezing effects in spontaneous and stimulated six-wave mixing process 135

P. Roy, Quantum statistical properties of Gazeau–Klauder coherent state of the anharmonic oscillator 145

J. Peřina Jr., Characterization of a resonator using entangled two-photon states 153

F. Carreño, M.A. Antón and O.G. Calderón, Quantum interference effects in resonance fluorescence and absorption spectra of a V-type three-level atom damped by a broadband squeezed vacuum 365

Laser physics and laser sources

M.D. Harvey and A.G. White, Frequency locking by analysis of orthogonal modes 163

F.Y. Lin and J.M. Liu, Nonlinear dynamical characteristics of an optically injected semiconductor laser subject to optoelectronic feedback 173

G. Liu, S. Zhang, J. Zhu and Y. Li, Theoretical and experimental study of intensity branch phenomena in self-mixing interference in a He–Ne laser 387

M.A. Larotonda, A.A. Hnilo and F.P. Diodati, Multipulse Nd:YAG Kerr lens mode-locked laser 395

E.L. Saldin, E.A. Schneidmiller and M.V. Yurkov, Femtosecond resolution experiments at third-generation light sources: a concept based on the statistical properties of synchrotron radiation 403

J.Q. Lin, H. Nakano, T. Nishikawa, T. Ozaki and K. Oguri, Guiding of high-intensity femtosecond laser pulses in evacuated and gas-filled capillaries 411

Nonlinear optics

W.-h. Cao and P.K.A. Wai, Higher-order soliton compression with pedestal suppression in nonlinear optical loop mirrors constructed from dispersion decreasing fibers 181

W.Q. Zhang, Group-velocity matching in the mixing of three noncollinear phase-matched waves for bixial crystal 191

K.-i. Maruno, A. Ankiewicz and N. Akhmediev, Exact localized and periodic solutions of the discrete complex Ginzburg–Landau equation 199

M.V. Pack, D.J. Armstrong, A.V. Smith and M.E. Amiet, Second harmonic generation with focused beams in a pair of walkoff-compensating crystals 211

K.-P. Ho, The optimal compensator for nonlinear phase noise 419

E. Ramsay and D.T. Reid, Investigation of the two-photon optical beam induced current effect in silicon integrated circuits 427